



limit switch XCMD - M12 steel roller plunger - 1NC+1NO - snap - M12

Local distributor code: 389941233 XCMD21F2C12

EAN Code: 3389110221411

Main

Range of product	Telemecanique Limit switches XC Standard
Series name	Standard format
Product or component type	Limit switch
Device short name	XCMD
Sensor design	Miniature
Body type	Plug-in body
Head type	M12 plunger head
Material	Metal
Body material	Zamak
Head material	Zamak
Fixing mode	By the head
Movement of operating head	Linear
Type of operator	Spring return roller plunger metal
Type of approach	Lateral approach, 2 directions
Number of poles	2
Contacts type and composition	1 NC + 1 NO
Contact operation	Snap action

Complementary

Switch actuation	By 30° cam
Electrical connection	Male connector M12, 5 pins
Contacts insulation form	Zb
Positive opening	With
Positive opening minimum force	35 N
Minimum force for tripping	7 N
Maximum actuation speed	10 cm/s
[le] rated operational current	0.22 A at 50 V, DC-13 conforming to EN/IEC 60947-5-1 appendix A 3 A at 50 V, AC-15 conforming to EN/IEC 60947-5-1 appendix A
[Ithe] conventional enclosed thermal current	4 A

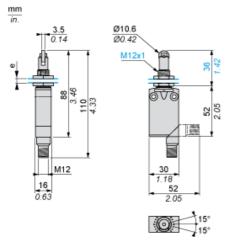
OF mohim conforming to IEC CODE 7t
25 mOhm conforming to IEC 60255-7 category 3
0.8 kV conforming to IEC 60664 0.8 kV conforming to IEC 60947-1
4 A cartridge fuse, type gG
5000000 cycles, DC-13, 24 V, 3 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 5000000 cycles, DC-13, 48 V, 2 W, operating rate <60 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
10000000 cycles
30 mm
50 mm
16 mm
0.11 kg
25 gn for 18 ms conforming to IEC 60068-2-27
5 gn (f= 10500 Hz) conforming to IEC 60068-2-6
IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP68 conforming to IEC 60529
IK06 conforming to EN 62262
Class I conforming to IEC 61140 Class I conforming to NF C 20-030
-2570 °C
-4070 °C
TC
CSA UL CCC
UL 508 EN/IEC 60204-1 EN/IEC 60947-5-1 CSA C22.2 No 14
PCE
1
1.7 cm
5.3 cm
9.0 cm
114.0 g
Green Premium product
Green Premium product REACh Declaration

RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
Contractual warranty	
Warranty	18 months

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Dimensions Drawings

Dimensions



e: 8 mm max, panel cut-out Ø 12.5 mm, fixing nut thickness 3.5 mm.

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Mounting and Clearance

Panel Mounting

Mounting and Fixing Limit Switches by the Head



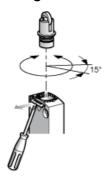
(1) Recommended(2) Forbidden

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Mounting and Clearance

Setting-up

Plunger or Multi-directional Heads

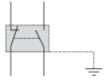


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Connections and Schema

Wiring Diagram

2-pole NC + NO Snap Action + Integral M12 5-pin Connector

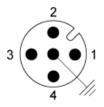


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Connections and Schema

Wiring Diagram

5-pin, M12, 4A-60V



1 - 2 : 3 - 4 : 5 : NC NO Grounding

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Technical Description

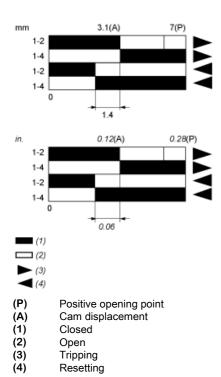
Characteristics of Actuation

Switch Actuation by 30° Cam



Technical Description

Functional Diagram



Recommended replacement(s)